

Figure 1

200

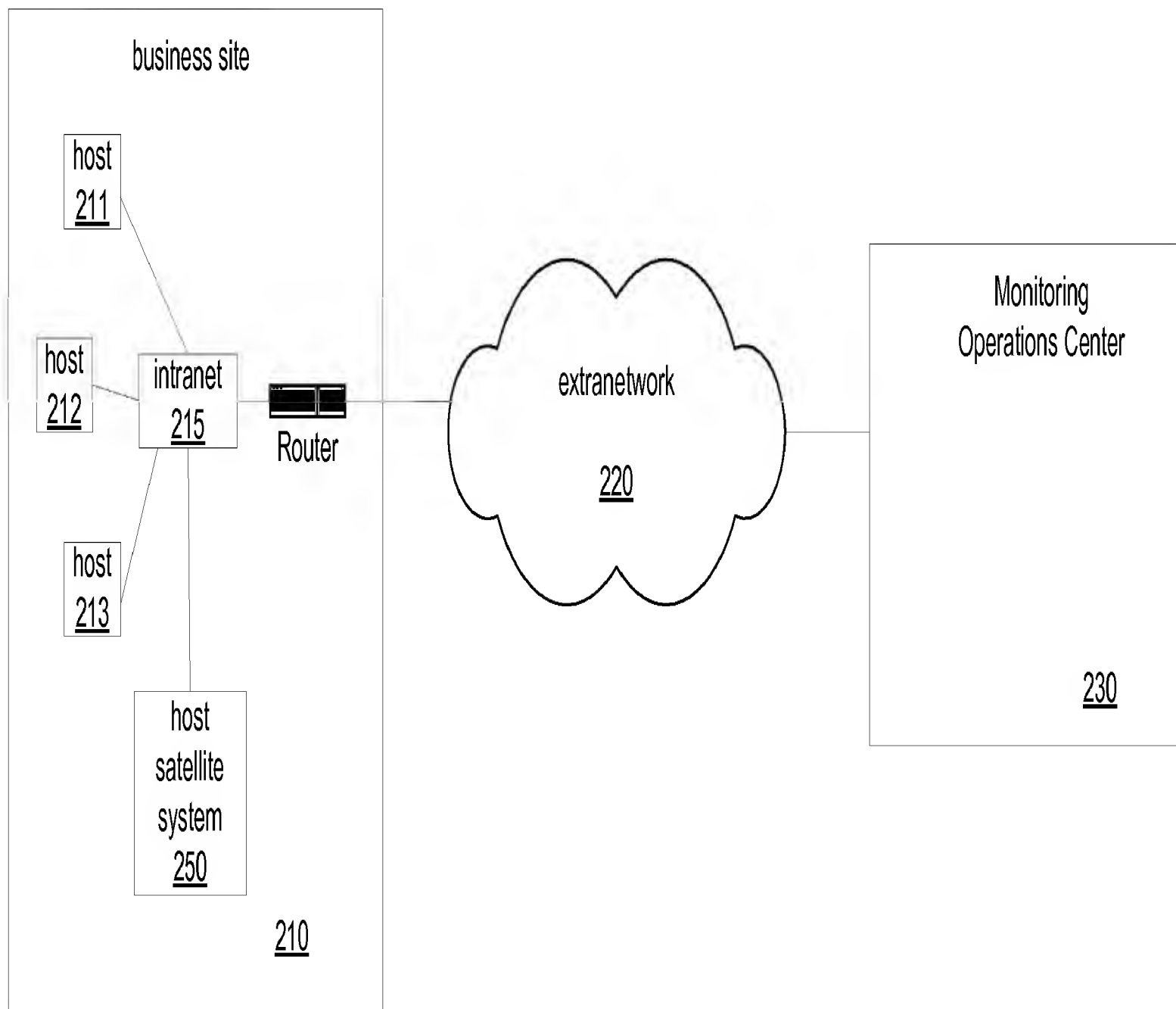


Figure 2A

Replacement Sheet

TEST		PORT #	MONITORING
check_dig	NP		Tests host DNS
check_disk	NP		Checks disk space (%) host system and generates alert if percentage is above threshold values.
check_dns_resolution	NP		Obtains IP address for specified host/domain query using nslookup. Can specify optional DNS server or default to specified server.
check_ftp	21		Tests an FTP connection with the host and generates an alert if answer time is above threshold values.
check_printer	NP		Tests the status of a printer.
check_http/https	80 (http) 443 (https)		Test the HTTP service on the host. Test normal and secure servers and generates an alert if the answer time is above a threshold value. Follows redirects, searches for strings and regular expressions, checks connection times, and reports on certificate expiration times.
check_imap	143		Tests the IMAP4 service on the specified host and generates an alert if answer time is above threshold values.
check_ircd	6667		Tests IRC daemon on the host and returns an alert of the number of users is above threshold values.
check_nntp	119		Tests the network news service on host and generates an alert if answer time is above threshold values.
check_ntp	NP		Tests Network Time service and generates an alert when offset(s) is above threshold values.
check_oracle	NP		Tests remote or local TNS status and local database status.
check_pop	110		Tests POP mail service on host and generates an alert if answer time is above threshold values.
check_postgresql	5432		Tests postgres SQL service on host and generates an alert if answer time is above threshold values.
check_real	554		Tests the IMAP4 service on the specified host (at port 554) and generates an alert if answer time is above threshold values.
check_rpc			Tests if a RPC service is registered and running on host using rpcinfo command.
check_smtp	25		Tests the SMTP mail service on host and generates an alert if answer time is above threshold values.
check_snmp			Tests SNMP service on host and generates an alert if answer time is above threshold values.
check_ssh	22		Tests SSH service on host and generates an alert if request times out.
check_tcp	Any		Tests TCP connections with host and generates an alert if answer time is above threshold values.
check_time	NP		Tests time port on host and generates an alert if answer time is above threshold values.
check_udp	Any		Tests UDP connection on host and generates an alert if answer time is above threshold values.

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Figure 2A

	PARAMETER	THRESHOLD LEVELS	THRESHOLD VALUES
241	Disk Utilization	OK Warning Critical	< 75% 75% 90%
242	Processor Utilization	OK Warning Critical	< 70% 70% 85%
243	Load	OK Warning Critical	< 0.8 0.8 1
244	Memory Utilization	OK Warning Critical	< 20% 20% free 10% free
	Swap Space	OK Warning Critical	< 20% 20% free 10% free
245	Number of Users	OK Warning Critical	< 10 users 10 users 20 users
246	Number of Processes	OK Warning Critical	< 400 processes 400 processes 700 processes

Figure 2C

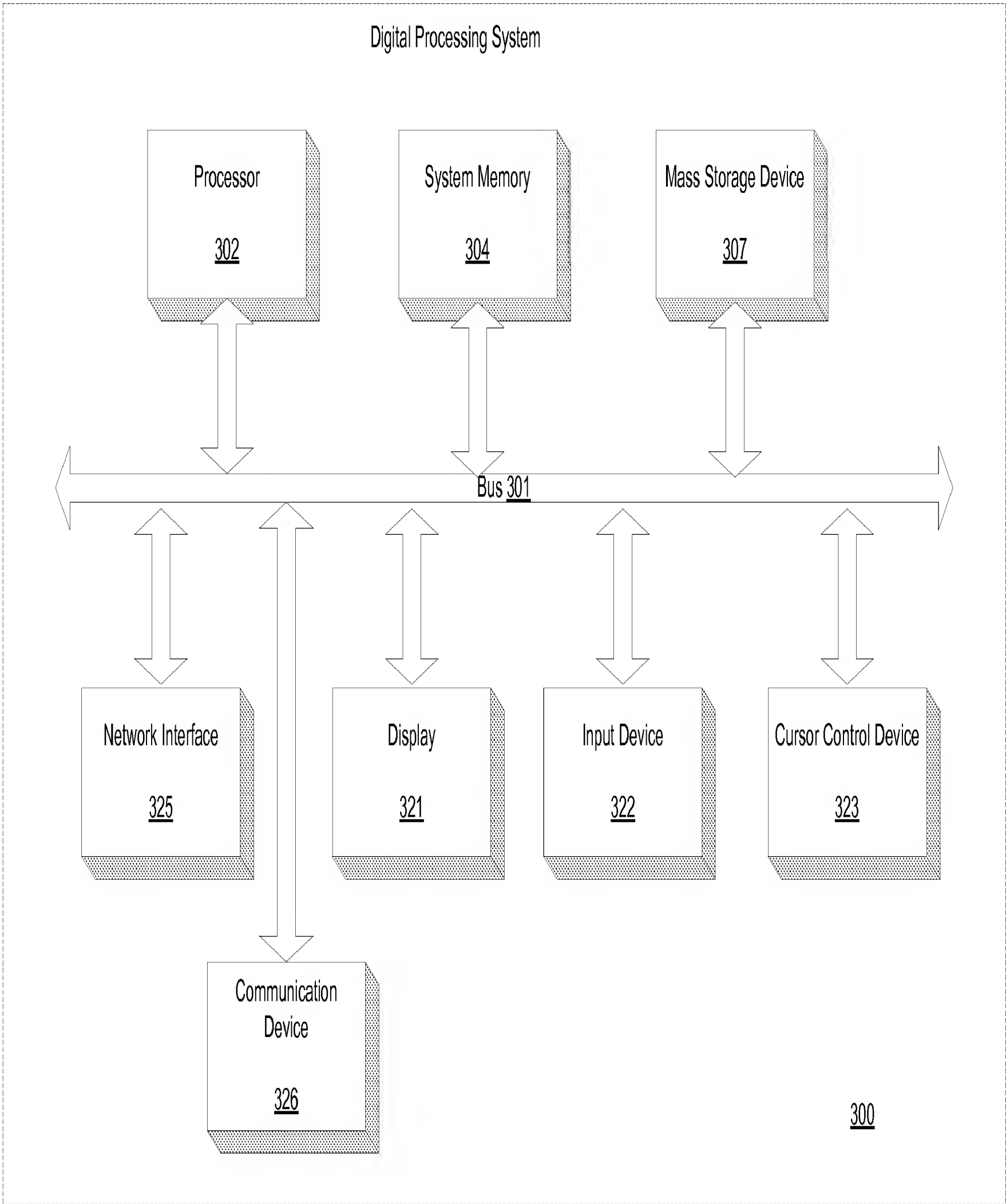


Figure 3

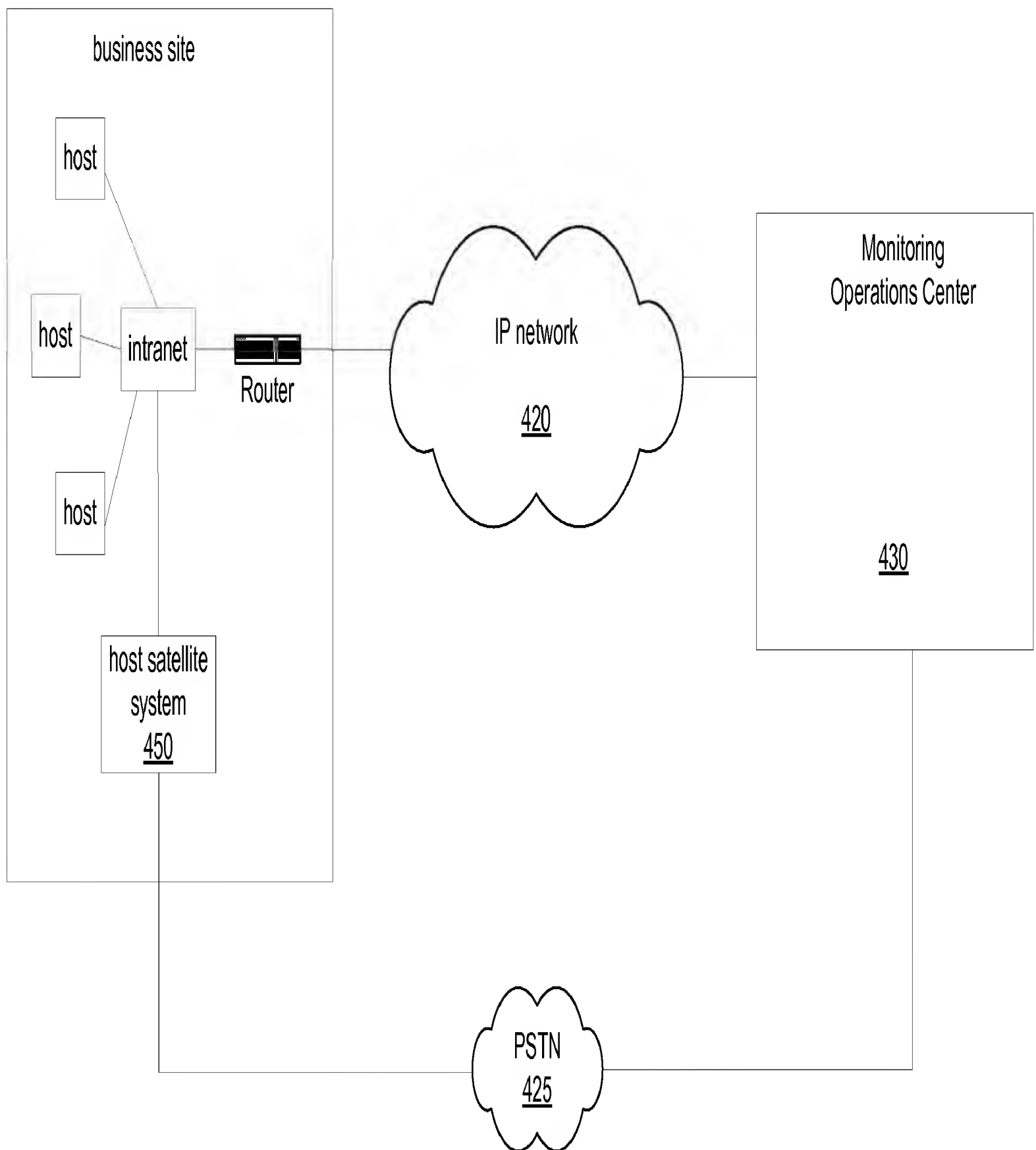


Figure 4

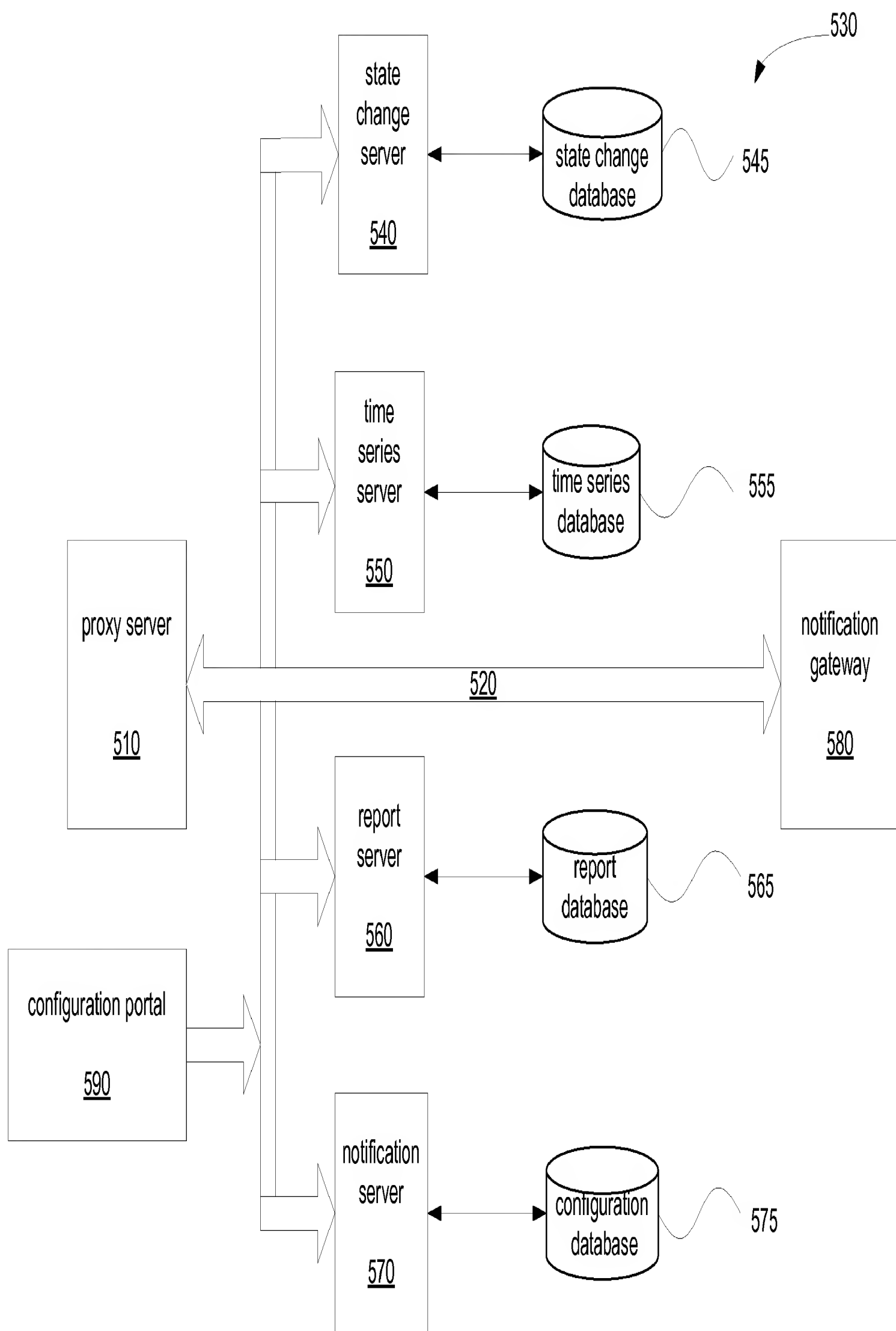


Figure 5

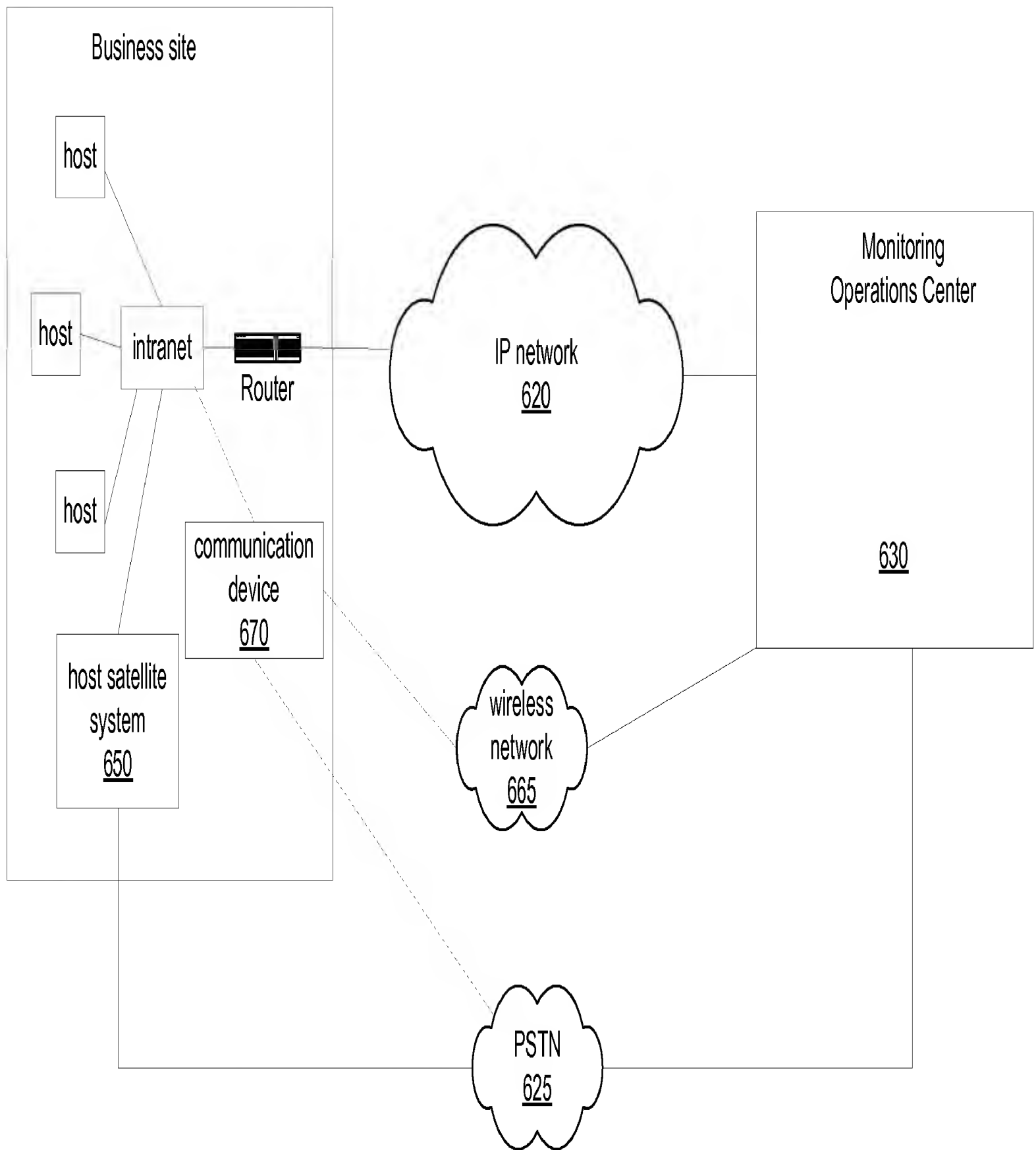


Figure 6

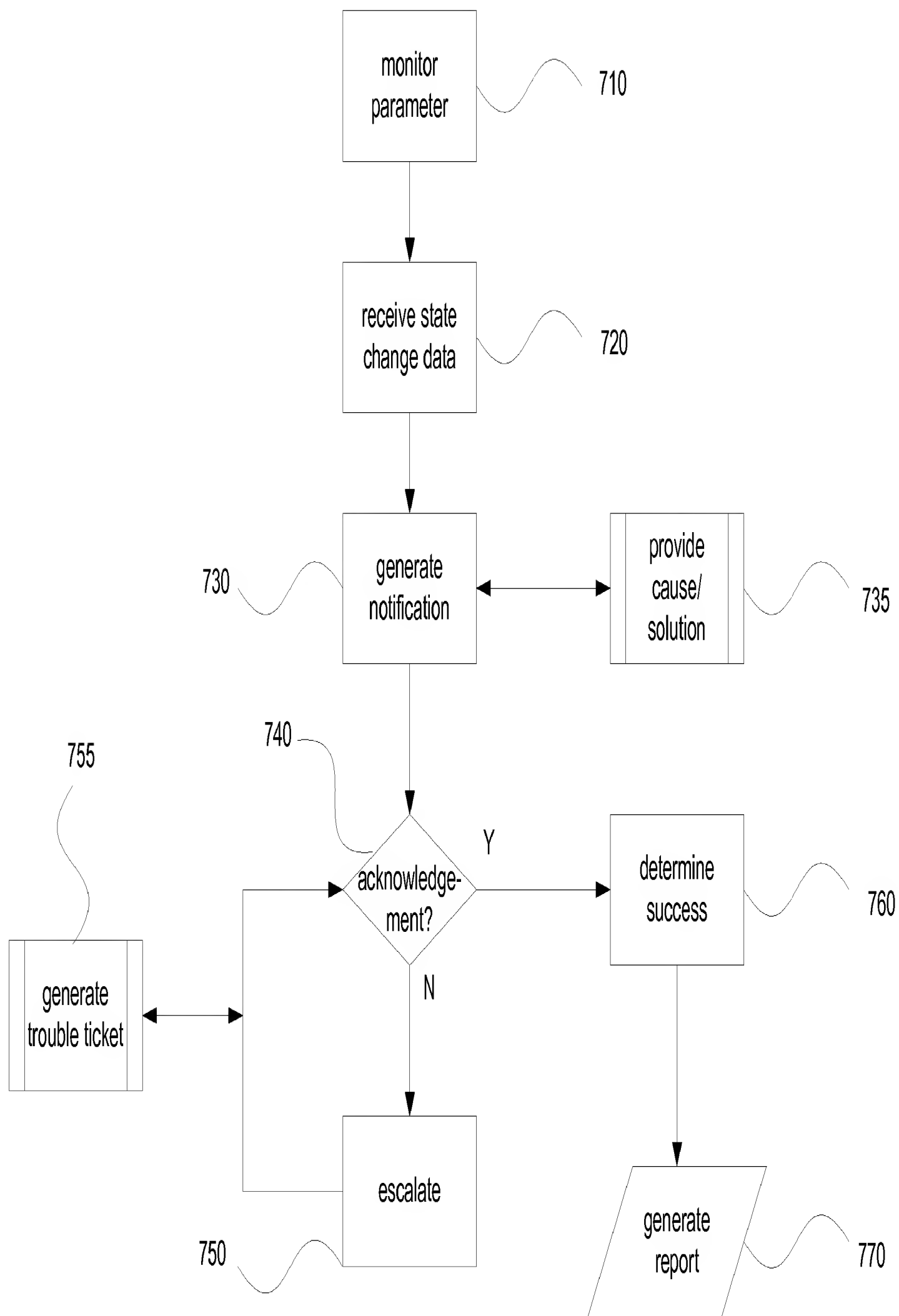


Figure 7